WORKZONE®

# 800W GENERATOR
## ORIGINAL MANUAL

**Now you have purchased a Workzone® product you can rest assured in the knowledge that as well as your 3 year parts and labour guarantee you have the added peace of mind of dedicated helplines and web support.**

**AFTER SALES SUPPORT**

GB **0203-5142281**
IRL **1800-719901**
**www.servotool.eu**

MODEL: WGG-800, 07/2012, 7597

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# Introduction 1

## Congratulations!

You have made an excellent choice with the purchase of this quality Workzone® product. By doing so you now have the assurance and peace of mind which comes from purchasing a product that has been manufactured to the highest standards of performance and safety, supported by the high quality standards of ALDI. We want you to be completely satisfied with your purchase so this Workzone® product is backed by a comprehensive manufacturer's 3 year warranty and an outstanding after sales service through our dedicated Helpline. We hope you will enjoy using your purchase for many years to come. If you require technical support or in the unlikely event that your purchase is faulty please telephone our Helpline for immediate assistance. Faulty product claims made within the 3 year warranty period will be repaired or replaced free of charge provided that you have satisfactory proof of purchase (keep your till receipt safe!). This does not affect your statutory rights. However, be aware that the warranty will become null and void if the product is found to have been deliberately damaged, misused or disassembled.





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# General Information and Safety Instructions

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*For your own safety and that of others, we recommend that you read this instruction manual carefully before using this machine. Keep this instruction manual and the documentation provided with the machine for future reference.*

## Explanation of the symbols

*In accordance with essential applicable safety standards of European directives.*

*Denotes risk of personal injury, loss of life or damage to the tool in case of non-observance of the instructions in this manual.*

*Indicates electrical shock hazard.*

*Do not use in rain.*

*Outdoor noise*

*Risk of high temperature*
*Caution: the generator contains some parts which might reach high temperatures*

*Faulty and/or discarded electrical or electronic apparatus have to be collected at the appropriate recycling locations.*

## Safety instructions

### Persons

- Never allow children or people unfamiliar with these instructions to use the appliance. Local regulations may restrict the age of the operator.
- Always operate outdoors with good ventilation. Exhaust gas contains poisonous carbon monoxide.
- Always stop the engine before refilling the fuel tank and clean the machine after filling the fuel tank.
- Do not inhale fumes from petrol.



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## Electricity

- Do not touch the generator if you have wet hands.
- Do not operate the generator in wet conditions.
- Do not operate the generator near water.
- Never connect two generators together.
- Never connect the generator to any commercial power outlet.
- Make sure any extension cords used are in a safe condition and of sufficient capacity for the task.
- Ensure that the load on the generator falls within its capacity as specified in the table before plugging in any cords.

## Fire and burn hazards

- The exhaust system gets hot enough to ignite some materials:
  - *keep the generator at least 1 metre away from buildings and other equipment during operation.*
  - *keep flammable materials away from the generator.*
- The exhaust becomes very hot during operation and remains hot for a while after stopping the engine:
  - *Let the engine cool before storing the generator indoors.*
  - *Do not touch the hot exhaust with your hands.*
- Petrol/gasoline is extremely flammable and is explosive under certain conditions. Do not smoke or allow flames or sparks where the generator is refuelled or where gasoline is stored.
- Fuel vapours are extremely flammable and may ignite after the engine has started. Make sure that any spilled fuel has been wiped up before starting the generator.
- Never cover the generator with clothes or other articles.

*Warning! Do not connect sensitive electronic equipment (such as a TV or laptop) to this generator, because of possible high peak voltages.*



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# Assembly and parts list

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***Fig. 1***

1. Fuel tank
2. Fuel cap
3. AC socket
4. AC Switch
5. Engine switch
6. Choke lever
7. Recoil starter
8. Fuel tap
9. Air filter cover
10. Spark plug
11. DC output
12. DC switch

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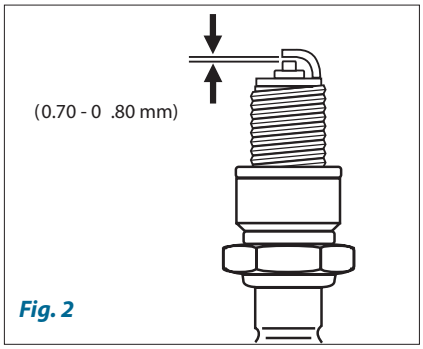


*Fig. 2*

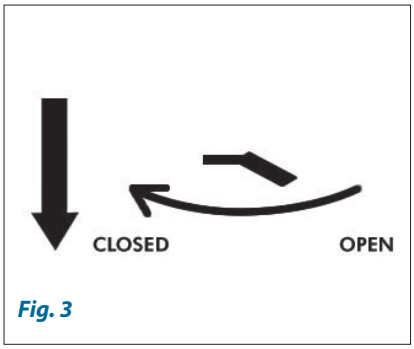


*Fig. 3*

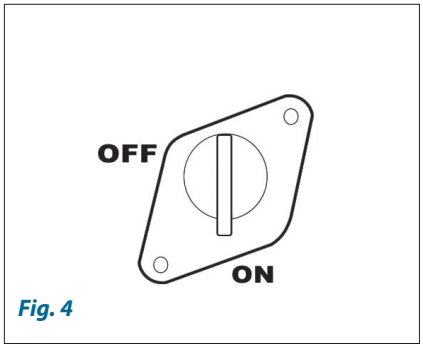


*Fig. 4*

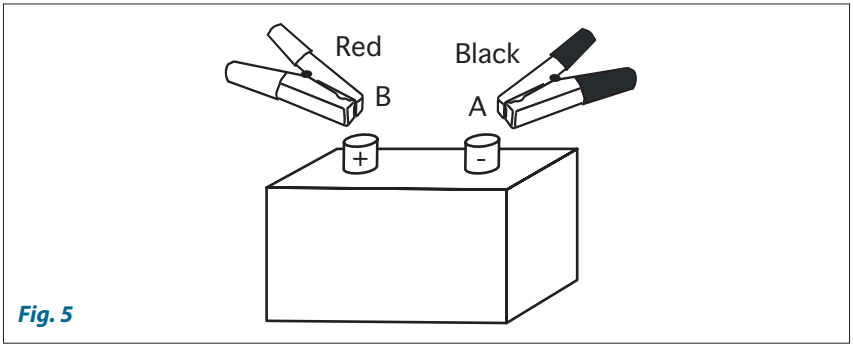


*Fig. 5*



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| Part no | Description | Position |
|---|---|---|
| 701133 | Rotor | 3 + 4 |
| 701134 | Stator | 5 |
| 701113 | Oil seal set | 10 + 33 |
| 701135 | Collar bush | 13 |
| 701115 | Piston complete | 14 + 25 |
| 701116 | Spark plug | 16 |
| 701117 | Cylinderhead bolt and nut set | 17 + 18 |
| 701118 | Cylinder gasket set | 21 + 23 |
| 701119 | Gasket ring set | 24 |
| 701114 | Crankshaft | 26 |
| 701120 | Carburator complete | 27 TILL 31 |
| 701121 | Ignition coil assy | 36 + 37 |
| 701122 | Recoil starter assembly | 41 |
| 701123 | Choke complete | 43 TILL 49 |
| 701124 | Muffler | 50 |
| 701125 | AC socket | 55 |
| 701126 | Circuit breaker | 56 + 57 |
| 701127 | Switch | 58 + 59 |
| 701128 | CDI winding | 61 + 62 |
| 701129 | Fuel cap | 63 + 64 |
| 701130 | Handle | 65 |
| 701131 | Foot set (4pcs) | - |
| 701132 | Air filter | - |



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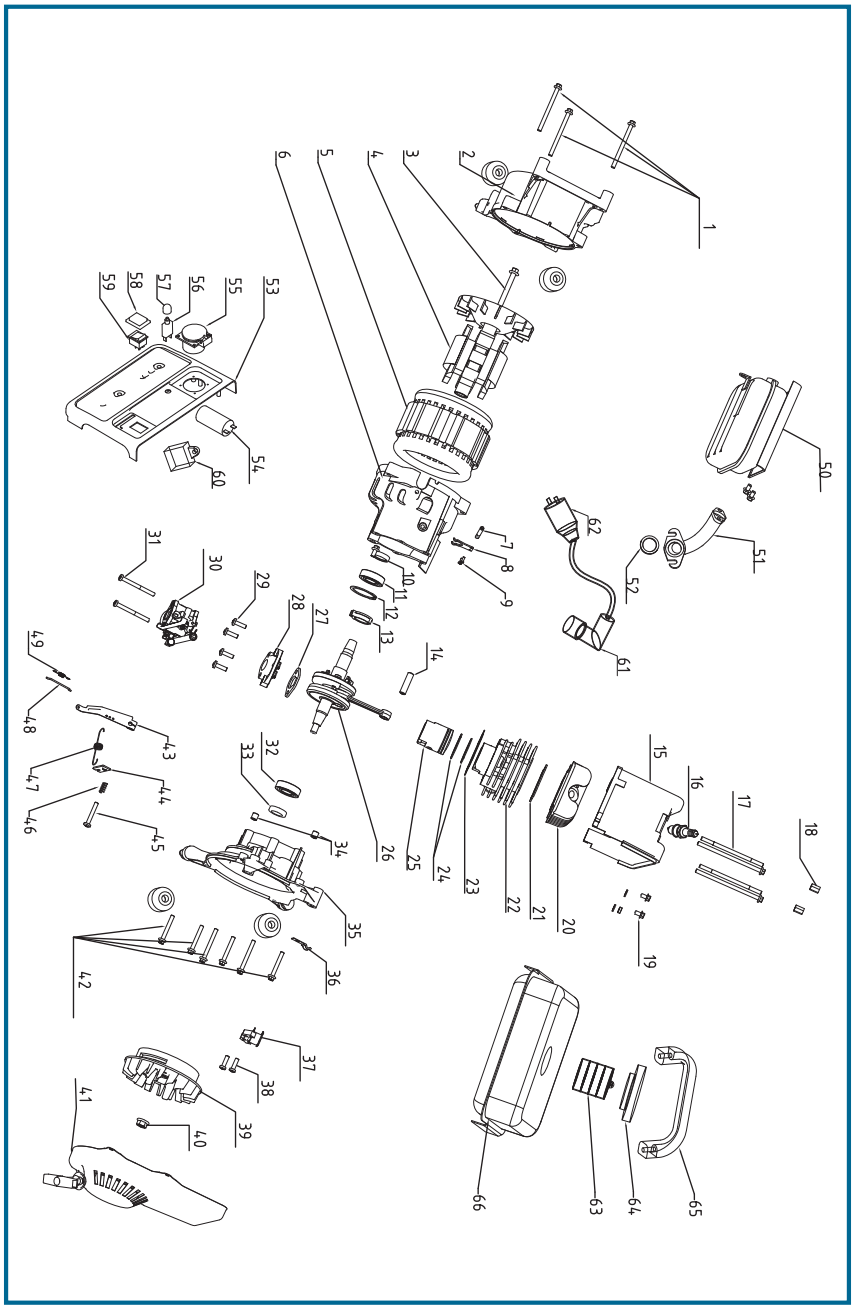






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## Before starting the generator

*Ground terminal*
*The generator ground terminal is connected to the frame of the generator, the metal non-current-carrying parts of the generator, and the ground terminals of each receptacle. Before using the ground terminal, consult a qualified electrician, electrical inspector or local agency having jurisdiction for local codes or ordinances that apply to the intended use of the generator.*

## Assembly

Unscrew the tank cover. Remove the measuring jug and fit it into the recess on the bottom of the tank cover. Screw the tank cover back onto the tank. Use the enclosed screws to fasten the carry handle onto the tank.

**Important!** Before use, the tank needs to be filled up with a petrol mixture in a mixing ratio of 50:1. Refer to the table below.
Use the measuring jug inside the tank. One increment equals 20ml. Mix the mixture thoroughly.

## Mixture 50:1

| **Regular unleaded petrol** | **2 stroke oil** |
|---|---|
| 1l | 20ml |
| 2l | 40ml |
| 3l | 60ml |
| 4l | 80ml |

*For general use you can use 2-stroke oil.*

## Filling up the tank

- Use petrol/oil mixture only
- Remove any powercords
- Turn power switches off
- Do not overfill – leave air gap at top of the fuel tank
- Always fully tighten the fuel cap
- Clean up any spilled fuel
- Do not smoke while refuelling or operating the generator

*Always use caution!*

# Instructions

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## Starting the generator

***Fig. 1 + 3 + 4***

1. Turn on fuel tap (8).
2. Turn on engine switch (5).
3. Move choke lever (6) to closed position (to restart a warm engine, leave the choke lever in open or half-open position).
4. Pull slowly on the starter cord until it engages, then pull sharply to start the engine (7).
5. Allow the engine to run until it warms up, and then move the choke lever to the open position (6).

## Using the AC Output (230 V)

- Start the generator.
- Plug in the electrical appliance plug.

## Stopping the generator

***Fig. 1 + 4***

1. Unplug all cords (5)
2. Turn engine switch to "OFF" (5)
3. Turn off the fuel tap (8)

## Using the DC Output (12V)

***Fig. 5***

- Plug the charging lead into the DC output
- Start the generator
- Connect the red clamp to the + terminal of the battery
- Connect the black clamp to the – terminal of the battery

## Periodic maintenance

## Daily (pre-operation check)

- Check fuel hose for cracks or other damage. Replace if necessary.
- Check exhaust-system for leakage. Retighten or replace gasket if necessary.
- Check choke operation.
- Check recoil starter operation.

## 3 Months or 50 hrs

- Check condition of spark plug. Adjust gap and clean. Replace if necessary.



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## 6 Months or 100 hrs

- Clean fuel tap and fuel tank filter. Replace if necessary.
- Check fittings and fasteners. Replace if necessary.

## 12 Months or 300 hrs

- Contact a specialized service centre to check the valve clearance.
- Check the fan of the cooling system for damage.

## Spark plug inspection

***Fig. 2***

- Disconnect the spark plug cap, and remove any dirt from around the spark plug area.
- Remove spark plug (10) with the plug spanner supplied.
- Inspect the base of the spark plug. It should be a tan colour.
- Measure the gap (distance contact point) with a suitable gauge. The gap should be 0,7 - 0,8 mm. Correct the gap, if necessary, by carefully bending the side electrode.
- Replace the spark plug if the electrodes are worn, or if the insulator is cracked or chipped.
- Install the spark plug carefully, by hand, to avoid cross-threading.
- Tighten the spark plug to the correct torque: 20 Nm.
- Attach the spark plug cap.

## Exhaust screen

- Wait for exhaust to cool.
- Exhaust screen may be blocked up with carbon deposits.
- Undo the screw cap and remove the exhaust screen.
- Clean the screen with a wire brush and refit.
- Replace exhaust screen if damaged.

## Air filter cleaning

- Remove the air filter cover (9).
- Remove filter element and wash thoroughly in solvent.
- Pour a small amount of oil onto the filter element and gently squeeze out any excess oil.
- Replace the filter element and air filter cover.
- Be sure the filter cover seals properly all around.

*Do not run the engine without the air filter element in place.*

*Never place a wet filter (with solvent) on the machine.*



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## Fuel tap

- To remove the fuel tap filter, simply undo the cup at the bottom of the fuel tank.
- Use a small spanner to remove the tap.
- Clean and wash out the filter and cup, and replace.

## Cleaning

Clean the housing regularly with a soft cloth, preferably every time it is used. Keep the air vents free of dust and dirt.

Remove stubborn dirt with a soft rag moistened in soapy water. Do not use any solvents such as petrol, alcohol, ammonia, etc. as such substances can damage the plastic parts.

## Storage (Long term)

- Drain fuel tank, fuel tap, carburettor bowl and carburettor
- Pour 1 cup of engine oil into the fuel tank and shake the generator to spread the oil around the tank. Drain excess oil.
- Remove spark plug and pour in 1 spoonful of engine oil, pull the starter cord several times with the starter switch OFF. Replace spark plug.
- Pull on the starter cord until you feel compression and stop.
- Clean the generators exterior and casing with rust inhibitor.
- Place the generator on flat ground and cover with a clean dry cloth.

## Faults

Should a fault occur, e.g. after wear of a part, please contact the service address on the warranty card. On page 8 of this manual you find an exploded view showing the parts that can be ordered.

## Environment

To prevent damage during transport, the appliance is delivered in solid packaging which consists largely of reusable material. Therefore please make use of options for recycling the packaging.

*Faulty and/or discarded electrical or electronic apparatus have to be collected at the appropriate recycling locations.*

## Warranty

Read the terms of warranty on the separate warranty card which is enclosed.



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# Trouble shooting

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## Trouble shooting

Below we have listed a few probable causes and solutions to which you can refer if your machine does not function properly.

### Basic checks

- Make sure you have plenty of fuel
- Make sure the fuel tap is on
- Make sure the engine-switch is on
- Remove spark plug, connect spark plug lead and earth it to the generator. Pull starter cord gently and look for a spark. If there is no spark, replace spark plug.

### Spark plug is OK, but engine still won't start

- Check fuel tap filter is clean (make sure there is no spilt fuel present)
- Check fuel line is clear
- Check carburettor is not blocked

### Engine will not start

- Clean or replace spark plug
- Check ignition system – if faulty, contact your service centre
- Check compression – if low, contact your service centre
- Check for loose cylinder head – tighten bolts
- Check for damaged cylinder head gasket – replace if necessary



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# Other useful information 6

## Technical specifications

| | |
|---|---|
| Rated voltage | AC 230 V |
| Rated frequency (AC) | 50 Hz |
| Rated output | 650 W |
| Max. output power of apparatus | 800 W |
| Tool class | I |
| Weight | 16 kg |
| Dimensions | 395x338x315 mm |
| Outdoor noise (Lwa) | 94,0 dB(A) |
| Vibration level | < 2.5 m/s2 |
| | |
| Type Engine | Air cooled 2-stroke petrol |
| Cylinder arrangement | Inclined, 1 cylinder |
| Max. output | 1.5 kW |
| Operation hours | 6 hours |
| Fuel | Gasoline-oil (50:1) |
| Fuel tank capacity | 4 L |

## Contents of packing

1 Generator
1 Auxiliary handle
1 Spark plug spanner
1 Users manual
1 After sales support card
1 Quick Start guide

Check the appliance, any loose parts and accessories for damage caused during transport.



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# CE DECLARATION OF CONFORMITY

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We declare under our sole responsibility that this product

***WGG-800, 800W Generator***

is in conformity and accordance with the following standards and regulations:

EN12601, EN55012, EN61000-6-1

2006/42/EC, 2006/95/EC, 2004/108/EC, 2002/95/EC, 2002/96/EC, 2005/88/EC, 2000/14/EC

01-02-2012
ZWOLLE NL

Authorized to compile the technical file:

I. Mönnink
CEO Ferm BV

It is our policy to continuously improve our products and we therefore reserve the right to change the product specification without prior notice.

Ferm BV • Lingenstraat 6 • 8028 PM Zwolle • The Netherlands



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WORKZONE®

# 800 W GENERATOR

**Your details:**

**Name** _____

**Address** _____

_____

_____

☎ _____ **E mail** _____

**Date of purchase*** _____

* We recommend you keep the receipt with this warranty card

**Location of purchase** _____

**Description of malfunction:**

**Return your completed warranty card to:**

**Circuit Tech Ltd.**
**Units 1/9 Stanley Mill • Kirkebrok Road • Deane,**
**Bolton Lancs, England • BL3 4JE**

**Contact and internet:**
**www.servotool.eu**
**Fax: (+44)(0)1204-659607**

## AFTER SALES SUPPORT

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**3**
**YEAR WARRANTY**

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